M. A. R. 57 (Rule 116)

Measurement Book

No. B 341840

Serial No. 1st and final Bill

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... R. Shivaram Contractor

Date of commencement of work ..... D.O. Receipt. 10-08-2018

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work :	Improvements to Roads and drains at Shelthalli old village in Ward no.12, Shelthalli Sub-Division					
	Estimated Cost Rs	40.00 Lakhs					
	NB. no	2 012-17-000040					
	Work order no	3 BE/DD/WO/286/2017-18 - Dated.					14-03-2018
	Date of commencement	15-03-2018					
	Date of completion	29-07-2018					
(1)	Earthwork excavation ~~for~~ manual measurements ordinary						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	dual involving an average horizontal throw upto 2nd by an average lift upto 1.5m, excavated surface levelled and finished neatly directed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide this MB. p 341838						
	Item (1), 600.cu.m					@ 175.95	105570.00
2)	Providing and laying in position plain cement concrete of mix 1:4:8 (one cement 4 parts coarse aggregate 8 parts) with 40mm nominal size graded granite metal coarse aggregate @ 0.85 cu.m and						

M. A. R. 57 (Rule 116)
Measurement Book
No. B 341841

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	fine aggregate @ 0.57 cu.m, machine mixed concrete laid in layers not exceeding 15cms thick well compacted, the finishing including curing all materials labour, use of machinery, curing complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide this MB p.no 341889						515.50
	Item (2), 29 cu.m @					5159.02	408574.38
							40*999.00
(3)	Providing and laying in position reinforcement cement concrete						

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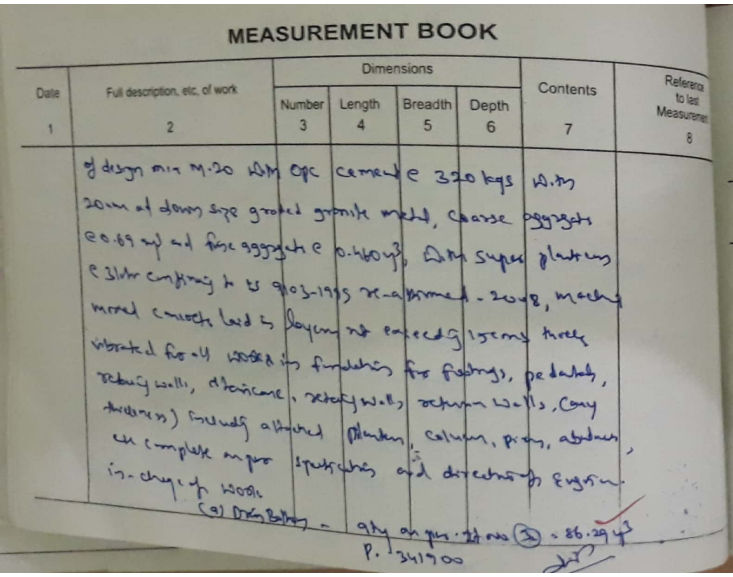
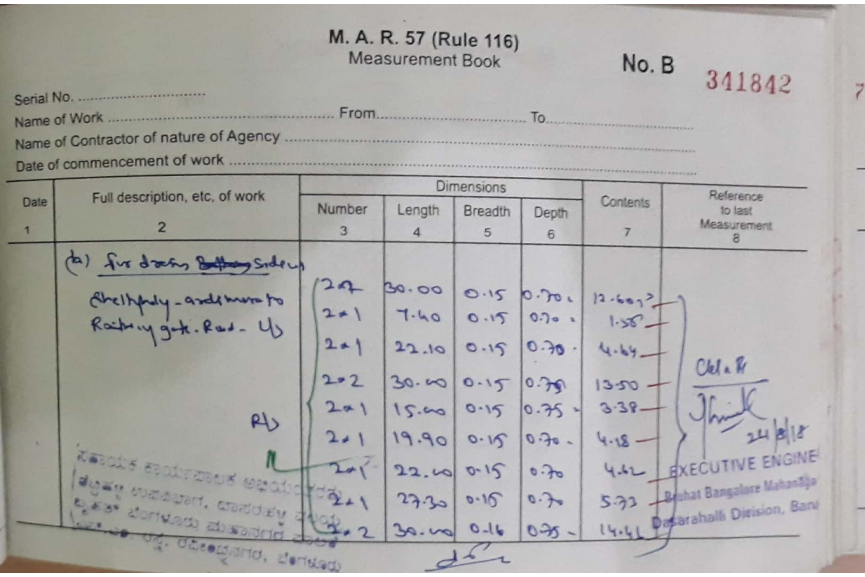


MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of design mix M.20 using OPC cement @ 320 kgs /m³ 20mm nd down size graded granite metal, coarse aggregate @ 0.89 m³ and fine aggregate @ 0.460 m³, using super plasticizer @ 3 ltr confirming to IS 9103-1999 re-admixed - 2 no's, mechanically mixed concrete laid in layers not exceeding 15 cms thick vibrated for 4 hours in foundations for footings, pedestals, retaining walls, staircase, retaining walls, return walls, Canopy thickness) including all lifts and plumbing, Columns, piers, abutments, etc complete as per specifications and directions of Engineer-in-charge of work.						
	(a) Dining Building -						

P. 341700



M. A. R. 57 (Rule 116)
Measurement Book

No. B 341842

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(a) For drains Sidewalk						
	Shelthady - Andhuvanna to Railway gate Road - LS	2	30.00	0.15	0.70	12.60 m³	
		2	7.40	0.15	0.70	1.55	
		2	22.10	0.15	0.70	4.64	
		2	30.00	0.15	0.75	13.50	
		2	15.00	0.15	0.75	3.38	
		2	19.90	0.15	0.70	4.18	
		2	22.00	0.15	0.70	4.62	
		2	27.30	0.15	0.70	5.73	
		2	30.00	0.16	0.75	14.41	

Chd. Pr
24/8/18
EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2×1	7.40	0.16	0.75	1.78	
	Cross-Road-Lj						
	Govt Girls School-Rj	2×2	30.00	0.16	0.70	13.44	
		2×1	12.00	0.46	0.70	2.69	
	Cross-Road-Rj	2×1	30.00	0.15	0.70	6.30	
	2nd Cross Lj	2×1	17.00	0.15	0.70	3.57	
	Rj	2×1	30.00	0.15	0.70	6.30	
		2×1	18.00	0.15	0.70	3.78	
		2×1	38.00	0.15	0.70	7.98	
		2×1	5.40	0.35	0.75	2.84	
		2×1	5.00	0.35	0.70	2.45	
		2×1	5.10	0.35	0.72	2.57	
	Deck Slab	1	5.40	1.30	0.23	1.86	

Chief Engineer

EXECUTIVE ENGINEER
Brohat Bangalore Rural Division, BWSSB
Basaralli Division, Bangalore

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341843

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	5.00	1.50	0.23	1.73	
		1	5.10	1.50	0.23	1.76	
	Ramp	1×2	5.40	0.75	0.12	0.97	
		1×2	5.00	0.75	0.12	0.90	
						211.9378	1350142.00
		Ltrs	211.92	C		6357.66	13,39,282.00
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-I) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-II) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-III) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-IV) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-V) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-VI) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-VII) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-VIII) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-IX) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-X) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-XI) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						
	Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-XII) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore.						

Providing RCC Retaining wall, Footing, Key, Stem, Counterfort, Return wall (Type-I) for Overhead Tank at Govt. Girls School, Basaralli, Bangalore. Providing & Primary centering, shuttering, striking, propping & 6357.00
and removal of form work for vertical & inclined surfaces of retaining walls of any thickness, including attached pilasters, buttresses, plinth offsets, & string courses, coping, all heights, lifts

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete as per specifications and directions by Engineer-in-charge of work.						
	q/ty as per this MB. p.no 341897					380060.00	
	As abv. (2)					3,80,771.00	
5)	Providing Mild steel reinforcement for RCC works including straighting, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members, wherever necessary complete as per design (Steel shall not be measured as per final) costing materials, labour, hire charges of machinery complete as per specifications					310.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341844

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and directions by Engineer-in-charge of work.						
	q/ty as per this MB. p.no 341898					855392.00	
	As abv. (1)					855392.09	
(6)	Providing and laying reinforced cement concrete precast slabs of M20 c.c. 1:1½:3 using 20mm nominal down size graded granite metal using HYSD bars 10mm & 16mm dia for stairways and complete as per specifications.					63950.00	
	a) Available to Railway Cadre	2 nos	30.00	0.90	-	54.00	

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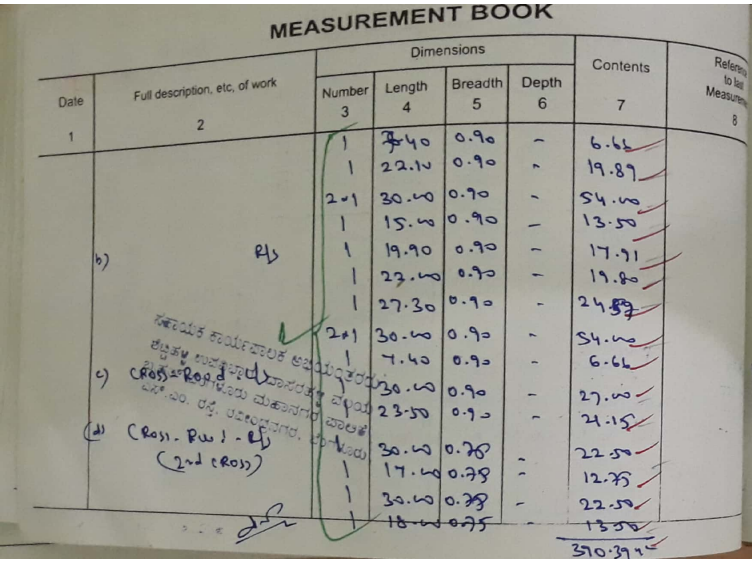
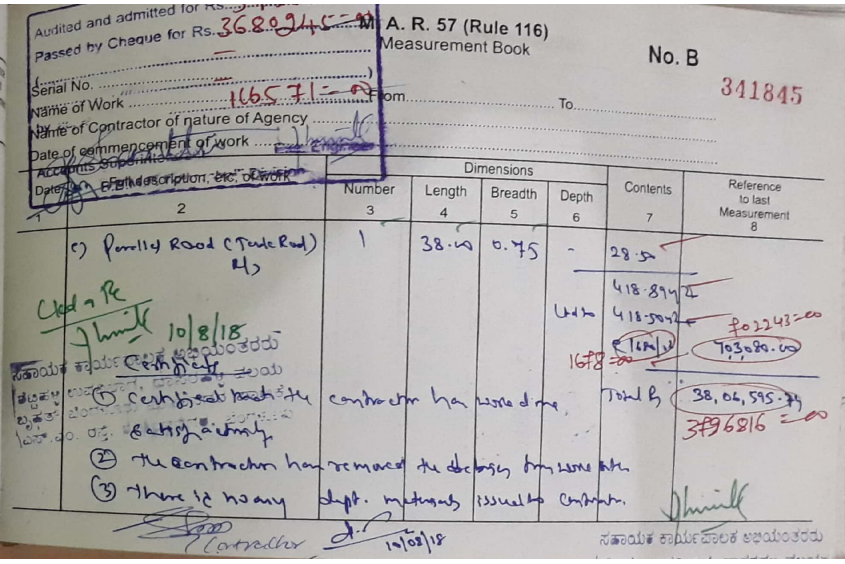


MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	6.40	0.90	-	6.66	
		1	22.10	0.90	-	19.89	
		2×1	30.00	0.90	-	54.00	
		1	15.00	0.90	-	13.50	
	b) RJ	1	19.90	0.90	-	17.91	
		1	23.00	0.90	-	19.80	
		1	27.30	0.90	-	24.57	
		2×1	30.00	0.90	-	54.00	
		1	7.40	0.90	-	6.66	
	c) Cross-Road	1	30.00	0.90	-	27.00	
		1	23.50	0.90	-	21.15	
	(d) (Cross - Rw) - RJ (2nd Cross)	1	30.00	0.78	-	22.50	
		1	17.00	0.78	-	12.75	
		1	30.00	0.78	-	22.50	
		1	18.00	0.75	-	13.50	
						370.394	



Audited and admitted for Rs. 36,82,245=00

Passed by Cheque for Rs. 16571=00

Serial No. 1

Name of Work

Name of Contractor or nature of Agency

Date of commencement of work

Accounts Superintendent

Date of Entry of Measurements

M. A. R. 57 (Rule 116)
Measurement Book
No. B 341845
From To

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	c) Parallel Road (Trade Rd) RJ	1	38.00	0.75	-	28.50	
	Check - RC					418.894	
						Total 418.394	
						1678	
						Total By	38,06,595.394
							3796816 =00
	(1) Certificate that the contractor has carried out the Satisfactorily						
	(2) The contractor has removed the discharge from store						
	(3) There is no any dept. materials issued to Contractor.						

Contractor 10/08/18

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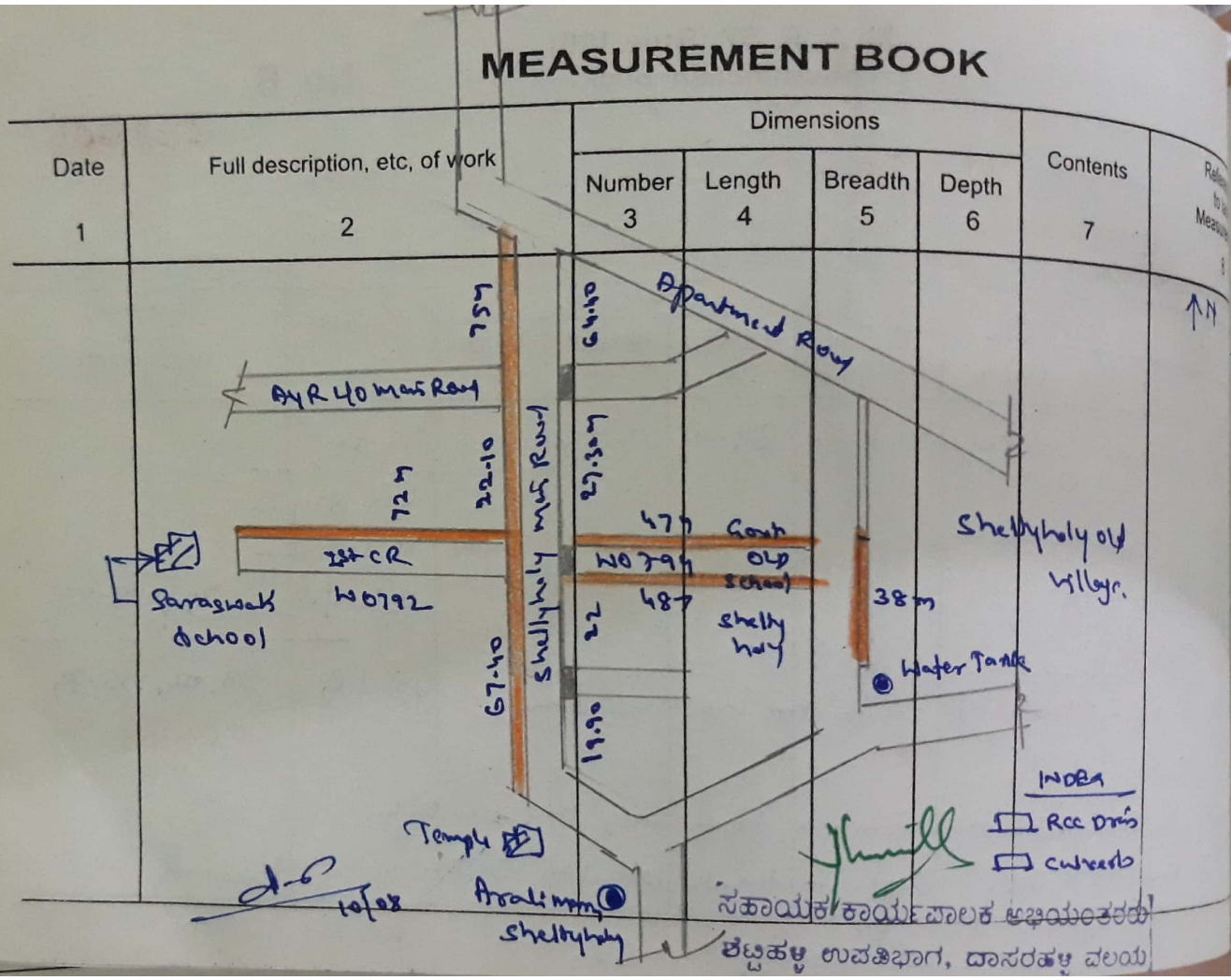
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement Book
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ

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